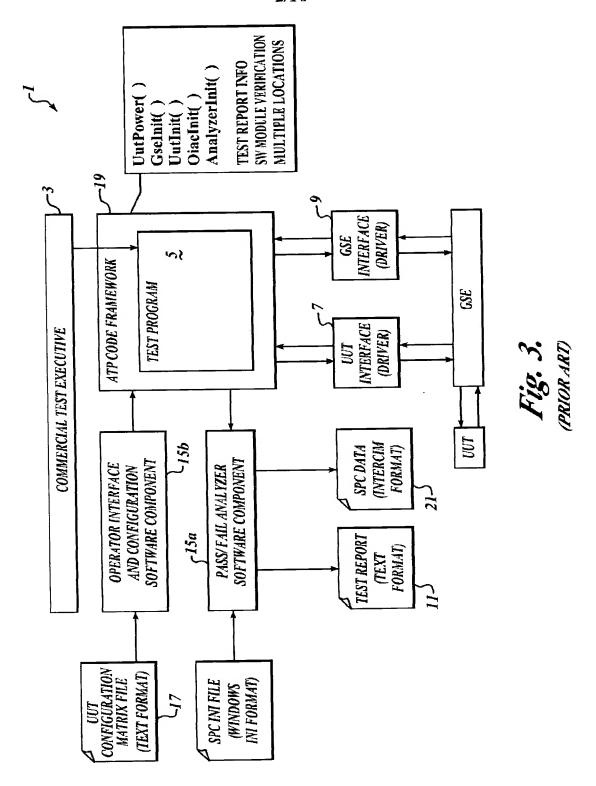


EXECUTION ORDER OPEN OPEN CLOSE OUT IN INIT CLOSE INIT **UUT** GSE GSE **GSE** GSE **GSE UUT GSE** RELAY RELAY 429 429 RELAY **RELAY** Y X RX, X Y TX, DATA RESULT RESULTS TO TEST EXECUTIVE FOR ANALYSIS AND REPORTING (PRIOR ART)

(PRIOR ART)



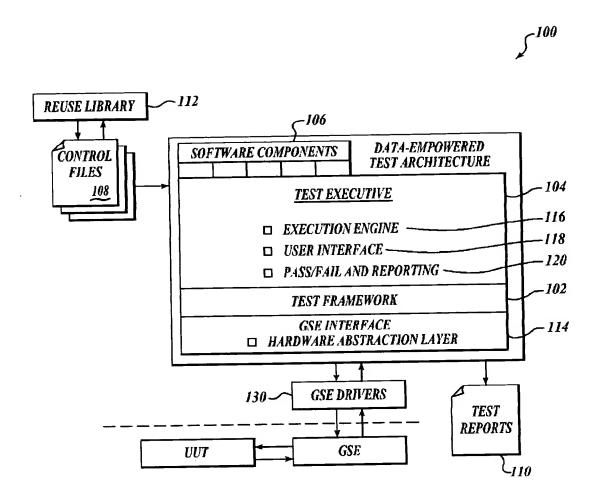


Fig. 4.

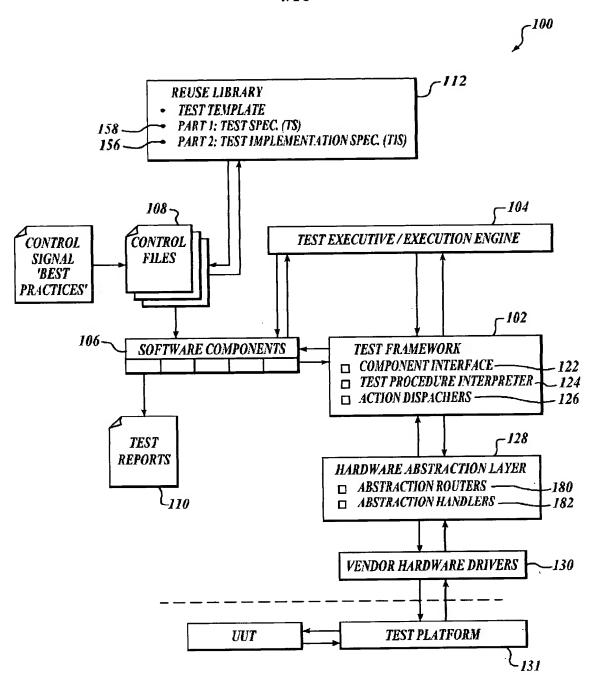


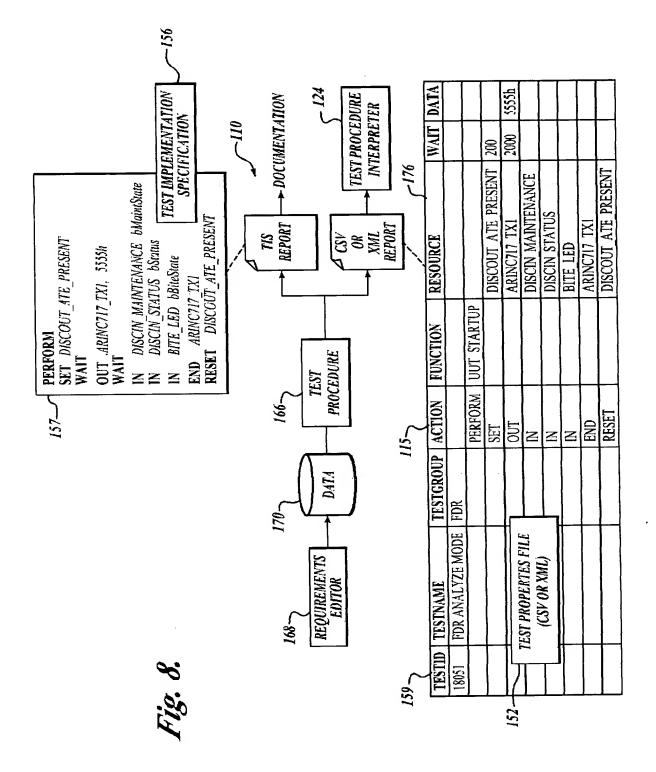
Fig. 5.

Fig. 6.

XML)

			S ¹⁵⁷	
THE TABLE BELOW LISTS THE SIGNALS USED IN THIS SECTION.				
UUT SIGNAL DATA	SIGNAL NAME FDR MAINTENANCE FAUL FDR STATUS FDR DATA OUTPUT ATE PRESENT		GSE RESOUCE DISCIN_MAINTENANCE DISCIN_STATUS ARINC717_RXI DISCOUT_AT_PRESENT 164 TEXT DESCRIPTION	
ANALYZE MODE IS THE NON-FLIGHT MODE OF THE UUT. DURING THIS MODE, THE UUT SHOULD SET THE FDR MAINTENANCE AND FDR STATUS DISCRETE OUTPUTS TO FAULT AND TURN THE BITE LED ON. THIS TEST CHECKS FOR THESE OUTPUTS DURING ANALYZE MODE.				
SUBASSEMBLY: 10 CARD (A2) SRU DATA 162 TEST ID: 18051 TEST ID 159 TEST GROUP: FDR				
ANALYZE MODE TEST PROCEDURE				
PERFORM UUT_STARTUP() SET DISCOUT_ATE_PRESENT WAIT 2000		APPLY POWER AND IN SET THE UUT TO 'REC WAIT FOR UUT TO SW	ORD' MODE	
OUT ARINC717_1 WAIT	11		OR DATA TRANSMISSION	
	TUS bStatus !!	READ MAINTENANCE READ STATUS DISCRE READ BITE LED STATI	TE	
VERIFY bMain. VERIFY bStatus VERIFY bBiteS.	s = GROUND 17	FAULT FAULT FAULT	166 TEST PROCEDURE	
END ARINC717_TX1 RESET DISCOUT_ATE_PRESENT		// STOP 717 TRANSMIT // SET THE UUT TO 'ANALYZE' MODE		

Fig. 7.



ANALYZE MODE TEST PROCEDURE PERFORM SET DISCOUT_ATE_PRESENT WAIT	// APPLY POWER AND INITIALIZE THE UUT // SET THE UUT TO 'RECORD' MODE // WAIT FOR UUT TO SWITCH MODES (200mS)	
OUT .ARINC717_TX1, 5555h WAIT	// TRANSMIT SOME DATA // ALLOW SOME TIME FOR DATA TRANSMISSION	
IN DISCIN_MAINTENANCE bMaintState IN DISCIN_STATUS bStatus IN BITE_LED bBiteState VERIFY bMaintState = OPEN VERIFY bStatus = GROUND VERIFY bBiteState = ON	// READ MAINTENANCE FAULT DISCRETE // READ STATUS DISCRETE // READ BITE LED STATE // FAULT // FAULT // FAULT	
END ARINC717_TX1 RESET DISCOUT_ATE_PRESENT	# STOP 717 TRANSMIT # SET THE UUT TO 'ANALYZE' MODE	

Fig. 9.

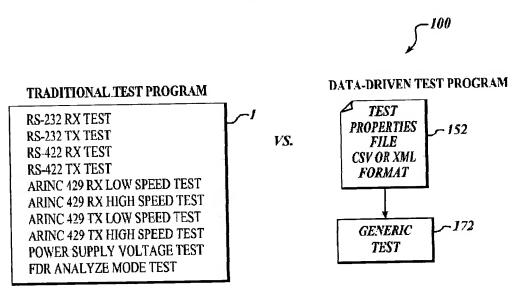
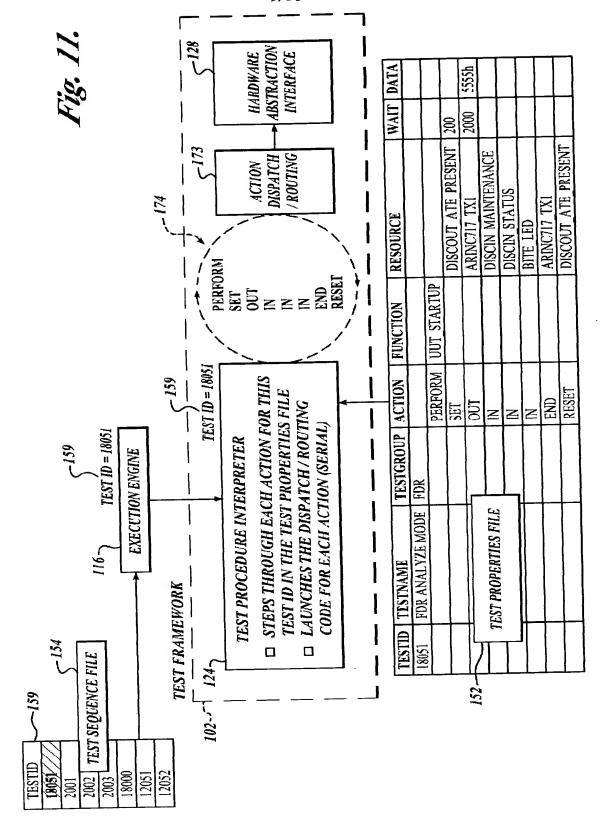
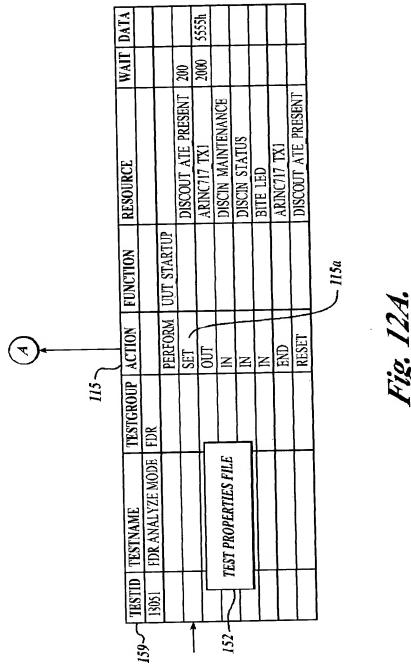


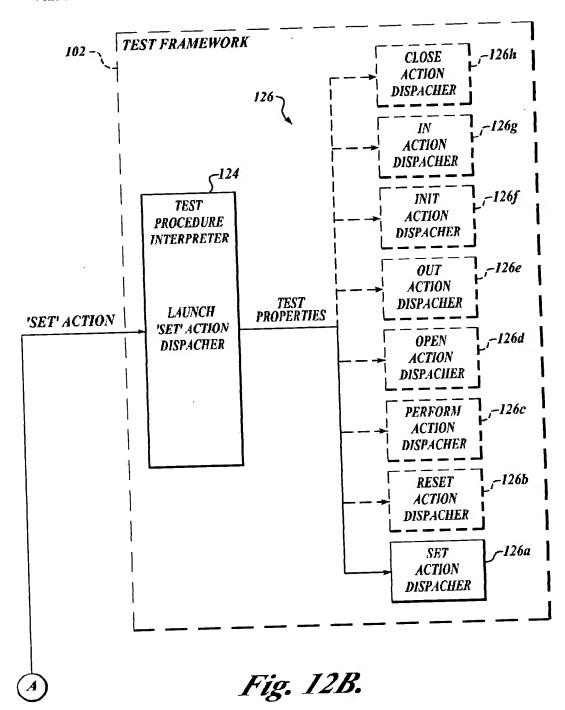
Fig. 10.

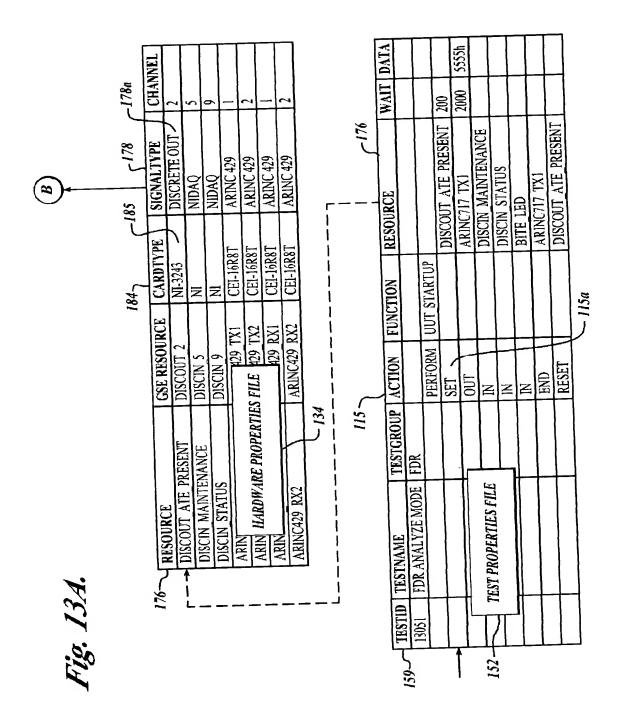


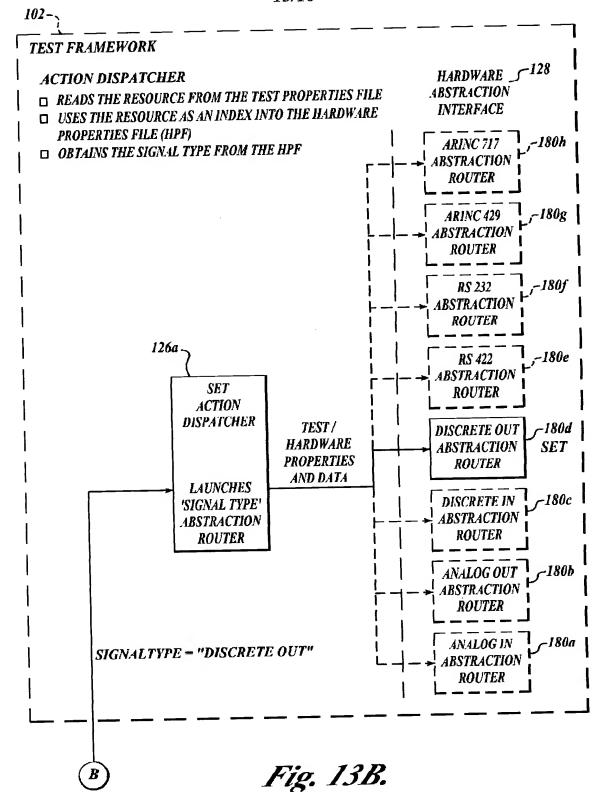


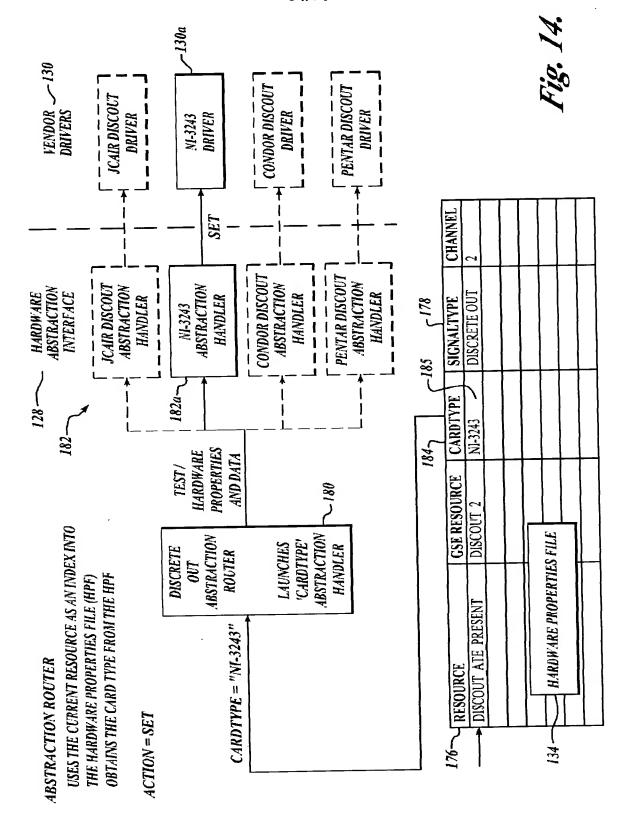
TEST PROCEDURE STEPS:

SET DISCOUT_ATE_PRESENT WAIT 200









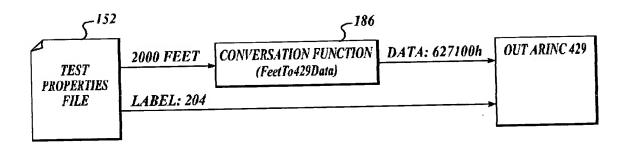


Fig. 16.